



## CASTORIA

For Infants and Children.

The Kind You Have Always Bought

Bears the Signature of

*John H. Hatcher*

In Use For Over Thirty Years

## CASTORIA

### For Her Christmas



There is a vast difference between the new and old ways of ironing

The new way takes much less time and it enables the operator to work in comfort, for since no hot stove is required, she can iron in the coolest spot in the house or on the porch.

### The Westinghouse Electric Iron

is a scientific iron that confines the heat to the ironing surface, which remains uniformly hot throughout the entire ironing.

PRICE \$3.50.

Hawaiian Electric Co., Ltd.

Phone 3431

## BAGGAGE

TO AND FROM ALL LINES OF TRAVEL

### Furniture Moving

Best Equipment in the city for this Line of Work.

Union - Pacific Transfer Co., Ltd.,

Tel. 1871. Opposite Lewers & Cooke. 174 S. King St.

## Meat and Butter

The best close-grained Island Meats and 100 per cent pure Butter only are sold here. If you are after something really good for dinner ring up.

Metropolitan Meat Market

PHONE 3445.

## COLONEL GOETHALS FAILS TO SET DEFINITE DATE FOR CANAL OPENING



Col. George W. Goethals

Chief Engineer of Commission Submits Report to Secretary Garrison — First Day of Actual Operation Depends Upon Treacherous Slides of Culebra Cut.

(Associated Press Dispatch)

WASHINGTON, Dec. 2.—No definite date for the official opening of the Panama canal is set in the annual report of Col. George Goethals, chairman and chief engineer of the canal commission, which has just been submitted to Secretary Garrison. Neither is there any prediction of when the ships may first pass from ocean to ocean. The first day of the canal's actual operation still depends upon the treacherous slides of Culebra cut and how fast the dredges can keep the channels open.

"It has been the general belief that the effect of the water in the cut would tend to retard slides and experience below the Gatun locks fully justifies this belief," said Colonel Goethals. "On the other hand the geologist is of the opinion that the water may to some extent develop new slides. Again much was made in 1909 over the seamy character of rock on the lathums, through which water flows quite rapidly, in consequence of which the question was raised that the lake might leak out through seams and crevices.

"If these things are liable to occur, the sooner the better, if the official opening of the canal is to occur January 1, 1914, for if water were not admitted this fall but were deferred until May 1, 1914, the full height could not be reached until October, 1914, leaving little time for the determination of these questions. These considerations led to the conclusion that the water should be turned on the cut at the earliest date practicable for getting the dredges to work on the slides.

"The present plans, therefore, are based upon the blowing up of Gamboa dike on October 10, its removal by dredges immediately thereafter, the transfer of two suction dredges and a ladder dredge to the Cucaracha slide, the smaller dipper dredges to work on the other slides until the full width of the channel is attained, and the passage of vessels through the canal as soon as channels of full depth and of sufficient width have been secured.

"Before boats can be passed it will be necessary to remove the Gamboa dike by dredges and to remove the slides as already outlined. The passage of commercial vessels is dependent, therefore, upon the time when proper channels can be dredged through the slides; should additional ones occur, they will necessarily advance the date when this will be accomplished."

The canal proper, exclusive of the approaches, the machine shops and warehouses and great ocean docks at either end, would have been completed during the last fiscal year, but for the extensive slides in the Culebra cut. And to deal with the great problems involved in the removal of the slides no effective way was found except the bodily displacement of vast hills.

"No treatment has proven effective for slides when once developed except that of excavating and hauling away material from the moving mass until the slide comes to rest or until the angle of repose for the particular material in motion is reached," said Colonel Goethals.

Last year it was predicted by geologists that the slides had been conquered and that little more activity could be expected because all the loose surface soil and stone had almost slid off, exposing great ridges of solid basalt rock which would act as barriers to further earth movements. Yet, when all was most promising and the canal excavations had gotten within 60 feet of the bottom of the cut on the east side, the rocks broke under the tremendous pressure and 2,000,000 cubic yards of material slid into and closed up the cut. Since then, the canal workers have been digging away that material and though there have been several slides, steady progress was made, for not only did giant dredges work on the face of the slides but powerful hydraulic monitors, such as were extensively used in hydraulic mining on the Pacific coast,

were brought into play to wash away the treacherous hills from the rear, carrying the material into fanned valleys distant from the cut.

A great engineering problem was involved in the solution of the question of continuing the excavation of the canal by steam shovels or by hydraulic dredges and Colonel Goethals, for the first time, makes an official statement of the reasons which impelled him to choose the wet method.

In brief these were based on the apprehension that Gamboa dike would not be strong or high enough to keep the water out of the cut as the Gatun lake rose in the wet season. Also, steam shovel operations would be retarded by the seasonal rains which

would not affect the operation of the dredges and finally the measure was one of economy. It would have been possible, with the shovels, to have removed all of the slides by January 1, 1914, next, except the Cucaracha slide which could not have been entirely carried off before April, 1914.

The financial operations of the canal are told in big figures: The disbursing officer has paid out \$20,524,705 on pay rolls alone. Congress so far has appropriated \$349,505,223 for canal construction, of which \$10,676,250 went for fortifications.

In great detail Colonel Goethals tells the story of the engineering work during the last year and with particular satisfaction it is reported that the mechanism of the vast locks and dams was tested with perfect success. The gates at Gatun were swung in one minute and 51 seconds for each leaf. The heavy iron chains, which are dependent upon to prevent an unruly vessel from crashing into the locks were raised and lowered in ample time to meet any emergency, and demonstrated their ability to check or stop any vessel unless of very great size and moving at excessive speed. The locomotives which will tow the ships through the locks were tried out and proved their ability to easily handle the largest of vessels and the electric installation which will involve the use of a current of 41,000 volts pressure was completely successful.

Altogether the technical sections of the report seem to demonstrate the accuracy of Colonel Goethals' statement that practically nothing but the great slide at Cucaracha remains to prevent the successful operation of the canal.

### CHRISTIAN SCIENCE LECTURER WILL BE SPEAKER SUNDAY

First Church of Christ, Scientist, in Honolulu, announces a free lecture on Christian Science to be given at the Hawaiian Opera House on Sunday evening, December 7, at 8 o'clock, and cordially invites the public to be present.

The lecturer, William R. Rathvon, C. S. B., member of the Board of Lecturers of The Mother Church, The First Church of Christ, Scientist, in Boston, Mass., is returning from a lecture tour through New Zealand, Australia, the Philippines and China, having arrived in the Teano Maru yesterday.

If a tooth aches you try to get the pain stopped as soon as possible. Why not do the same with headaches? Stearns' Headache Cure affords quick relief and is acceptable to even the most delicate stomach. Every one should have a box handy. Insist on "Stearns"—advertisement.



Send for the K.C. COOK'S BOOK—Its FREE.

By Mrs. Janet McKenzie Hill.

Read Carefully

In the wonderful K.C. Cook's Book, Mrs. Janet McKenzie Hill, of Boston Cooking School fame, tells every housewife how to become an expert cook—how to prepare such appetizing dishes the family will go simply wild over what you set before them.

The K.C. Cook's Book is illustrated in 9 colors, contains 50 tested and proven recipes that will be successful every time if the few simple suggestions are followed.

The K.C. Cook's Book has been prepared at an expense of many thousands of dollars, and if purchased at a store would easily cost 50 cents, yet we give it absolutely free as we want you to know exactly what K.C. Baking Powder is and what it will do for you in your own kitchen. You need this wonderful book—it is of vital importance to every housewife.

### How to get the Cook's Book

Write your name and address plainly on this coupon. Attach the colored certificate packed in 25-cent cans, sending both to us.

You will be mighty glad you did. Jacques Mfg. Co., Chicago.

JACQUES MFG. CO. Dept. Chicago.

Enclose certificate. Send the Cook's Book FREE.

Name.....

Address.....



## Doctors Use This for Eczema

Dr. Evans, Ex-Commissioner of Health, says: "There is almost no relation between skin diseases and the blood." The skin must be cured through the skin. The germs must be washed out, and so salves have long been found worthless. The most advanced physicians of this country are now agreed on this, and are prescribing a wash of wintergreen, thymol and other ingredients for eczema and all other skin diseases. This compound is known as D.D.D. Prescription for Eczema.

Dr. Holmes, the well known skin specialist writes: "I am convinced that the D.D.D. Prescription is as much a remedy for eczema as quinine for malaria." I have been prescribing the D.D.D. remedy for years. It will take away the itch the instant you apply it.

In fact we are so sure of what D.D.D. will do for you that we will be glad to let you have a 12 bottle set on our guarantee that it will cost you nothing unless you find that it does the work.

Benson, Smith & Co., Druggists.

## Let's Have An Understanding

that will answer for a holiday gift and be appreciated. We have a line of

### Street and Dress Shoes

that meet every requirement of youths and children.



A classy pump in Patent, Gun Metal, Calf and White Canvas. Fine for evening wear. Sold at

\$5.00



THE CELEBRATED.

### PLA-MATE SHOE

for Youngsters; good wearers and comfortable. Sold at

\$2.00 to \$2.75



### A Comfy

The most comfortable house shoe known. Sells at

\$1-25, \$1.50, \$1.75



A dress Pump for Ladies' in Patent, Calf and Gun Metal, a superior article. Sold for

\$3.50 and \$4.00



### Boy Scout

A shoe worth while for Boys. Will outwear most of the shoes on the market. Sell at

\$3.00

Nothing better for Christmas than the Shoes we show

## McInerny Shoe Store

Fort above King St.

STAR-BULLETIN \$.75 PER MONTH